Ephemerides 1c 88 3465

Ranger.

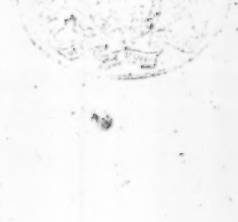
for the yeare of our Lord M. DCXV.

Being the yeare from the Worlds creation. 5577.

referred to the parallel and Meridian of the honorable Citty of Yorke, where the Pole is mounted aboue the Horizon 54. degrees, 20. minuts, and may serue without sensible error, all the parts of Great Brittaine, which are betwixt the Riuers of Trent and Tweed.

Student in Astronomy.

tioners. 1615.



Computation of yeares.

Since the Creation of the World	5576
From the Creation till the flood of Noah	1656
Since the destruction of Sodom	3530.
Since the destruction of Troy	2798.
Since Solomon built the Temple	2629.
Since London was built	2723
Since Yorke was built	2581
Since Yorke Minster was built	986
Since King William conquered England	547
Since Paules Church in London was built	529
Since Westminster hall was built by K William Rufus	516
Since London bridge was built with stone	439
Since the institution of the honorable order of the gar.	271
Since the first invention of Guns	235
Since the invention of printing bookes	155.
Since D. Luther detected popish falsehoods	98
Since K. Henry the eight crushed the power of the P.	81
Since the rebellion in Yorkshire by Aske.	78
Since Register bookes began in every Parish	77
Since K. Henry conquered Bullen	71
Since the beginning of Q. Elizabeths raigne	57
Since Dule bridge at Yorke was broken downe.	50
Since the birth of King Iames. June 19.	49
Since the rebellion of the two Earles	46
Since the great massacre in France by Papists	43
Since the deep snow	36
Since the generall Earthquake.	35
Since Tilbury Campe	27
Since Hacket and we Christ was proclaimed	24
Since the surprising of Cadiz by the Earle of Essex	19
Since the last great plague in London	12
Since the detection of the Gun-powder plot	10
Since the coming K Iames in Scotl. July 29.	48
Since the kings inauguration in England. March 24.	12

thereof are gouerned by the 12. signes of the Zodiaque.

Aries the head and face.

Taurus Neck and throat.

Cancer Breast, stomacke, and ribs.

Virgo Bowels and belly.

Scorpio Secret members

Capricornus knees.

Gemini Armes & shoulders

Leo hart and backe.

Libra reines & Loynes.

Sagitarius The Thighs.

Aquarius The legs

Pisces The feete.

♈ Aries ♉ Taurus ♊ Gemini ♋ Cancer ♌ Leo ♍ Virgo ♎ Libra ♏ Scorpio ♐ Sagitarius ♑ Capricorne ♒ Aquarius ♓ Pisces. ♄ Saturne ♃ Iupiter ♂ Mars, ☉ Sol ♀ Venus ☿ Mercury ☽ Luna ☊ Caput Draconis ☋ Cauda Draconis.

Stub land to make meadowes, or eareable ground,
to better thy Bees new seat must be found:
Vncouer the roots of the trees that beare fruit,
in hope of more plenty of euery suite.

i			Gem.	13	3,44	
ii	b	Oct. Stephen.	Gemini.	25	3,45	
iii	c	Octa. Iohn.	Cancer.	7.	3,47	
iiii	d	Oct. Innocēt.	Cancer.	19	3,48	
v	e	Edw. depos'ed	Leo	1	3,49	Full moone the
vi	f		Leo	14	3,51	first day, at ten of
vii	g	Clauis sep.	Leo	26	3,52	the clocke, fortie
viii		1 sun aft. Ep.	Virgo.	9	3,53	seuen minuts
ix	b	Agapit virgin.	Virgo.	21	3,55	before noone.
x	c		Libra	4	3,56	
xi	d	Archade mar.	Libra.	18	3,58	☾
xii	e	Hillary bishop	Scorpio.	1	4, 0	Last quarter the
xiii	f	Wed comes in	Scorpio.	15	4, 2	twelfth day, at
xiiii	g	Felicia.	Scorpio.	29	4, 4	one of the clocke,
xv		2 sun. aft Ep.	Sagit.	13	4, 6	and 19 minuts
xvi	b	Marcellus	Sagit.	29	4, 8	after noone.
xvii	c	Anthony.	Capric.	13	4,10	
xviii	d	Prisca virgin.	Capric.	28	4,12	●
xix	e	Wolstan	Aqua.	12	4,14	New moone the
xx	f	Octab. Hilla.	Aqua.	28	4,16	xix. day, at three
xxi	g	Agnes.	Pisces.	12	4,18	of the clocke in
xxii		3 sun. aft. Epi.	Pisces.	24	4,20	the morning.
xxiii	b		Aries	8	4,21	
xxiiii	c	Tymothy.	Aries	20	4,23	
xxv	d	Coue. of Pau.	Taurus.	4	4,24	
xxvi	e	Policarpe.	Taurus.	15	4,26	First quarter the
xxvii	f	Quind. Hilla.	Taurus.	27	4,27	xxvi. day, halfe
xxviii	g	Valetins bish.	Gemini.	9	4,29	an houre past
xxix		4 sun aft. Ep.	Gemini.	21	4,31	two in the after-
xxx	b	Batild queen.	Cancer.	3	4,33	noone.
xxxi	c	Victor.	Cancer.	15	4,35	

Parc Mosse and vaine branches from fruit trees away,
set Roses, plant Quick sets, when moone doth decay:
Prick Pease and Beanes if thy garden be dry,
at change of the moone and in beautifull skye.

i	d	Bridget.	Cancer.	27	4,37	
ii	e		Leo	13	4,39	
iii	f	Cruth. purific.	Leo	22	4,41	
iiii	g	Wed. goes out	Virgo	5	4,44	
v	a	Septuagesi	Virgo.	18	4,46	Full Moone the
vi	b	Dorotby virg	Libra	1	4,48	ii. day, halfe an
vii	c	Angule bisho	Libra.	15	4,50	houre past foure
viii	d	Paule Bish.	Lyra.	29	4,52	in the afternoon.
ix	e		Scorpio.	12	4,54	
x	f	Scolastica.	Scorpio	26	4,56	
xi	g	Eustace virg.	Sagita	10	4,59	☾
xii	a	Sexagesima	Sagit.	25	5, 1	Last quarter the
xiii	b		Capric.	6	5, 4	tenth day, three
xiiii	c	Valentine	Capric.	23	5, 7	quarters past
xv	d	Faustine.	Aquarius	8	5, 9	nine at night.
xvi	e	Julian Virg.	Aquar.	22	5,11	
xvii	f	Policron	Pisc.	9	5,13	●
xviii	g	Hugo bishop	Pisces.	19	5,15	New Moone the
xix	a		Aries	3	5,17	seuenteenth day,
xx	b	Wildred virg.	Aries.	16	5, 9	a quarter past
xxi	c	79. Martirs.	Aries.	28	5,21	fiue in the after-
xxii	d	Cathed. Pet.	Taurus	11	5,23	noone.
xxiii	e	Policarp.	Taurus	24	5,26	
xxiiii	f		Gemeni.	5	5,28	
xxv	g	Innocent. Pont	Gemeni.	17	5,30	First quarter
xxvi	a	Quadragesim	Gemeni.	29	5,33	the xxv. day, al-
xxvii	b	Nestor mart.	Cancer	11	5,35	most at high-
xxviii	c	Augustine.	Cancer	23	5,37	noone.

Set Pumpions, & Cytrons, March counſelleth ſoe,
with Roſemary, Rew, Sage, and other hearbes moe:
Cloſe couer the roots of the trees thou madeſt bare,
and carriage for Compoſt let next be thy care.

i	d		Leo	5	5,39	
ii	e	Chadde	Leo	17	5,41	
iii	f	Maurice.	Virgo.	1	5,43	
iiii	g	Adrian	Virgo.	14	5,45	
v		2 ſun. in lent.	Virgo.	27	5,47	
vi	b	Phœce & Felix	Libra.	11	5,49	Full moone the
vii	c	Victor mart.	Libra.	25	5,51	fift day, three
viii	d	Perpe. & Felix	Scorpio.	9	5,53	quarters paſt vi.
ix	e	40. Martyrs.	Scorpio.	22	5,55	in the morning.
x	f	Eq day & nig	Sagit.	8	5,58	
xi	g		Sagit.	22	6, 0	☾
xii		3 ſun. in lent.	Capric.	5	6, 2	Laſt quarter the
xiii	b	Gregory	Capric.	20	6, 5	twelfth day, a-
xiiii	c	Theodric.	Aquarius.	4	6, 7	bout fiue of the
xv	d	Longine	Aquar.	18	6, 9	clocke in the
xvi	e	Gertrude	Piſces	2	6,11	morning.
xvii	f	Patrick Biſh	Piſces.	15	6,13	
xviii	g	Edw. King.	Piſces.	29	6,15	●
xix		4 ſun. in Lent	Aries	11	6,17	New moone the
xx	b	Cuthbert.	Aries	24	6,19	twenty day, a
xxi	c	Benedic.	Taurus.	7	6,22	little paſt fiue of
xxii	d	Paulinus.	Taurus	19	6,24	the clocke in the
xxiii	e	Theodore.	Gemini	1	6,26	morning.
xxiiii	f		Gemini	13	6,28	
xxv	g		Gemini.	25	6,31	
xxvi		5 ſun. in Lent	Cancer.	7	6,33	First quarter the
xxvii	b	Martian	Cancer.	19	6,35	twenty ſeauen
xxviii	c	Dorothy	Leo	1	6,38	day, a little be-
xxix	d	Ciprian	Leo	13	6,40	fore vii in the
xxx	e	Quintin	Leo	25	6,42	morning.
xxxi	f	Adelm. mart.	Virgo	9	6,44	

In land that is ſtubborne in tilling, and tough,
your Barley this month may be ſowen well enough,
Your garden with good ſeeds, ſee well that you fraught:
and ſow hemp and flaxe now, els all will be naught.

i	g	Theodore.	virgo	22	6,46	
ii			Libra	5	6,48	
iii	b	Richard biſh.	Libra	19	6,50	
iiii	c	Ambroſe biſh.	Scorpio.	4	6,52	Full moone the
v	d	Vincentus	Scorpio.	18	6,54	third day, at ſea-
vi	e	Sextus mart.	Sagitar.	3	6,57	uen of the clocke
vii	f	Egyſippus.	Sagitar.	18	6,59	at night.
viii	g	Euphemia.	Capric.	2	7, 1	
ix			Capric.	17	7, 4	☾
x	b		Aquar.	1	7, 6	Laſt quarter the
xi	c	7. Virgines.	Aquar.	15	7, 8	tenth day, a
xii	d	Apoline.	Aquar.	29	7,10	quarter before
xiii	e	Julius biſh.	Piſces.	12	7,12	ten in the mor-
xiiii	f	Zenone	Piſces.	24	7,15	ning.
xv	g	Olyffe	Aries	8	7,17	
xvi		1 ſun. aſt. Ea.	Aries.	21	7,19	●
xvii	b	Wed comes in	Taurus.	3	7,21	
xviii	c	Eluthetius	Taurus.	15	7,23	New moone the
xix	d	Alphage mar.	Taurus	27	7,25	xvii. day, about
xx	e	Victor biſhop	Gemini.	10	7,27	eight at clocke
xxi	f	Simeon biſh.	Gemini.	22	7,28	at night.
xxii	g	Sother virgin	Cancer.	3	7,30	
xxiii		2 ſun. aft. Ea.	Cancer.	15	7,32	
xxiiii	b	Milfred.	Cancer.	27	7,34	
xxv	c		Leo	9	7,36	Firſt quarter the
xxvi	d		Leo	21	7,37	xxv. day, at nine
xxvii	e	Anaſtatius	Virgo.	4	7,39	of the clocke, and
xxviii	f	Victalis mart	virgo.	17	7,41	nine & one mi-
xxix	g	Peter of Mil.	virgo.	30	7,43	nutes at night.
xxx		3 ſun. aft. Ea.	Libra	13	7,45	

Of Leekes, Purſlaine, Onions, who faine would haue ſtore,
must now play the husband, if neuer before:
Set Cowcumbers alſo, to eate with thy meat,
but ſtir well thy fallow for Rye, or for wheat.

i	b		Libra.	27	7,46	
ii	c	Athanaſius.	Scorp.	12	7,48	
iii	d	Inuen. of cro.	Scorpio.	27	7,50	
iiii	e	Chriſtopher.	Sagit.	12	7,52	Full moone the
v	f	Goddard.	Sagit.	27	7,53	third day, a
vi	g	John Portl.	Capric.	12	7,55	quarter paſt
vii		4 ſun. aft Ea.	Capric.	27	7,57	foure in the mor-
viii	b	Appa. S. Mic	Aquariu.	11	7,59	ning.
ix	c	Tranſ. Nich.	Aquar.	25	8, 1	
x	d	Gordian.	Piſces	9	8, 2	☾
xi	e	Athely.	Piſces.	22	8, 4	Laſt quarter the
xii	f		Aries	5	8, 5	ninthday, halfe
xiii	g	Boniface.	Aries.	17	8, 7	an houre paſt
xiiii		5 ſun aft. Ea	Aries	30	8, 8	fiue at clocke at
xv	b	Iſidore.	Taurus.	12	8, 9	night.
xvi	c	Brandon.	Taurus	24	8,11	
xvii	d	Tranſ. Barn	Gemini.	6	8,12	●
xviii	e		Gemini.	18	8,13	New moone the
xix	f	Diaſcori mar.	Cane.	0	8,15	xvii. day, at ten
xx	g	Dunſtone	Cancer.	12	3,16	of the clocke, 22.
xxi		6 ſun. aft. Ea.	Cancer.	24	8,17	minuts in the
xxii	b		Leo	6	8,18	morning.
xxiii	c	Deſiderie.	Leo	18	8,19	
xxiiii	d	Urbane pr.	Leo	30	8,20	
xxv	e	Adelm. biſhop	Virgo.	12	8,21	
xxvi	f	Bede preſbit.	Virgo.	25	8,22	Firſt quarter the
xxvii	g	Auguſt. of En	Libra.	8	8,23	twentie fiue day,
xxviii			Libra	22	8,24	a little paſt two
xxix	b	Hubert.	Scorpio.	6	8,25	of the clocke in
xxx	c	Petronel.	Scorpio	20	8,26	the after noone.
xxxi	d		Sagit.	5	8,27	

Now Teames would be trudging fat dunge to beare out,
and tuell be tald, & brought home from about:
Your Sithes and such trinkets as serue for to mowe,
prepare and cut meadowes that lye somewhat lowe.

i	e	Nichome.	Sagita. 22	8,27	
ii	f	Marcellus.	Capric. 6	8,27	
iii	g	Eralinus.	Capric. 21	8,28	Full moone the
iiii			Aquar. 6	8,28	first day, seuen
v	b	Boniface bish	Aquar. 21	8,28	teene minuts be
vi	c	William co.	Pisces 5	8,29	fore vi. in the
vii	d	Molstane.	Pisces. 18	8,29	morning.
viii	e	Medard & gil.	Aries 2	8,29	☾
ix	f		Aries 15	8,29	Last quarter the
x	g	Transl. Edw.	Aries 27	8,29	viii. day, a little
xi			Taurus. 9	8,29	twa in the mor
xii	b	Longest day.	Taurus 21	8,29	ning.
xiii	c	Antony: conf.	Gemini. 3	8,29	●
xiiii	d	Basill bishop.	Gemini. 15	8,29	New moone the
xv	e	Vitalmodest	Gemini 27	8,29	xvi day halfe an
xvi	f	Transl. Rich.	Cancer 9	8,28	houre past one in
xvii	g	Tolulph	Cancer. 21	8,28	the morning.
xviii		2 sun. aft trin	Leo 3	8,28	
xix	b		Leo 15	8 27	
xx	c	Transl Edw.	Leo 27	8.27	First quarter
xxi	d	Mialburg.	Virgo. 9	8,27	the twenty foure
xxii	e	Albane mart.	Virgo. 21	8,26	day at two,
xxiii	f	Ethelb.	Libra. 4	8,26	and vii. minuts
xxiiii	g		Libra. 17	8,25	in the morning.
xxv		3 sun aft. trin.	Scorpio 0	8,25	
xxvi	b	John & Paul.	Scorpio 14	8,24	
xxvii	c	Cresc. mart.	Scorpio 29	8,23	Full moone the
xxviii	d		Sagit. 13	8.22	last day, at vi. a
xxix	e		Sagit. 28	8,21	clock, fortie two
xxx	f	Tom of Paul	Capric. 15	8,20	minuts at night.

High pastures preserued for plenty of hay,
are growne now on ground then that downe thou maist lay.
If Somer proue kindely to heat and to dry,
set Sickles on worke eare all lusy goe by.

i	g	Octa. of John.	Capric.	29	8,19		
ii		4 sun aft. trin	Aquar.	14	8,18		
iii	h	Trans: Tho.	Aquar.	29	8,17		
iiii	c	Trans. Mar.	Pisces	3	8,16	☾	
v	d	Zoe virgin.	Pisces.	27	8,15	Last quarter the	
vi	e	Octa pe. pa.	Aries	10	8,13	eight day, a quar	
vii	f	Tho Becket.	Aries	23	8,12	ter past two in	
viii	g	Depo Grim	Taurus.	6	8,11	the after noone.	
ix		5 sun aft. trin.	Taurus	18	8,9		
x	h	Cyrill bishop:	Gem.	0.	8,8	●	
xi	c	7. Brethren	Gemini.	12	8,7	New moone the	
xii	d	Trans. Ben.	Gemini.	24	8,5	xvi day, halfe an	
xiii	e	Nabor & Felix	Cancer.	6	8,4	houre past sonne	
xiiii	f		Cancer.	18	8,2	a clocke in the	
xv	g	Tran. Swithin	Cancer.	29	7,1	afternoone.	
xvi		6 sun. aft. trin.	Leo.	12	7,59		
xvii	h	Kenelmkin.	Leo.	24	7,57		
xviii	c	Arnulph bish.	Virgo.	6	7,55		
xix	d		Virgo.	19	7,53	First quarter the	
xx	e		Libr.	1	7,52	xviii. day, ha. e	
xxi	f		Libra.	14	7,51	an houre past elev-	
xxii	g	Mary Magd:	Libra.	27	7,49	en at night.	
xxiii		7 sun aft. trin.	Scorp.	10	7,47		
xxiiii	h	Christin.	Scorpio	24	7,45		
xxv	c		Sagita.	8	7,44		
xxvi	d	S. Anne.	Sagit.	22	7,42	Full moone the	
xxvii	e	7. Sleepers.	Capric.	7	7,39	xxv. day, about	
xxviii	f	Sampson bi:	Capric.	22	7,38	one of the clocke	
xxix	g	Nat Reg. Sco	Aquarius	7	7,36	in the morning.	
xxx		8 sun aft. trin.	Aquar.	22	7,35		
xxxi	h	Germane.	Pisces	7	7,33		

The fruits that be ripe now, with speed see ye pull,
cut wheat and Rie likewise to fill thy barnes full:
Oates now looke for cutting, and all other graine,
Time little foreslowed, will neuer bring gaine.

i	c	Lammas day.	Pisces.	19	7,31	
ii	d	7 Machab.	Aries	5	7,29	
iii	e	Iauent Sce.	Aries.	18	7 27	☽
iiii	f	Iustine p.	Taurus.	1	7,25	Last quarter the
v	g		Taurus.	14	7,23	fift day, at seuen
vi		9 sun. aft. tri.	Taurus.	26	7,21	at clocke at
vii	b	Feast of Chr.	Gemini.	8	7,19	night.
viii	c	Ciriake.	Gemini.	20	7,17	
ix	d	Roman mart.	Cancer.	2	7,15	
x	e	Laur. mart.	Cancer.	14	7,12	●
xi	f	Eupliet	Cancer	26	7,10	New moone the
xii	g	Clare virgin.	Leo	●	7, 8	xiiii. day, three
xiii		10 sun. aft. tri	Leo	21	7, 6	quarters past
xiiii	b		Virgo.	3	7, 4	fixe of the clock
xv	c	Assump: Ma.	Virgo.	16	7, 1	in the morning.
xvi	d	Roch. martyr.	Virgo	28	6,59	
xvii	e	Octa. Laur.	Libra.	11	6,57	
xviii	f	Agapit mart.	Libra.	24	6,54	
xix	g	Magnus	Scorpio	7	6,52	First quarter
xx		11 sun. aft. tri	Scorpio.	21	6,50	the xxi. day, that
xxi	b	Barnard	Sagitar.	4	6,48	quarter past nine in
xxii	c	Timothy.	Sagitar.	18	6,46	the after noone.
xxiii	d		Capric.	2	6,44	
xxiiii	e		Capric.	17	6,42	
xxv	f	Lewis King.	Aquarius.	1	6,40	Full moone the
xxvi	g	Seuerin.	Aquar.	16	6,38	twenty eight
xxvii		12 sun. aft. tri	Pisces	1	6.35	day, at ten of
xxviii	b		Pisces.	15	6,33	the clocke, twen-
xxix	c	John behead.	Pisces.	29	6,31	ty minuts in the
xxx	d	Felix & Audac	Aries.	13	6,28	morning.
xxxi	e	Cuthburg virg	Aries	26	6,26	

Now wheat and Rye this month maist thou sow,
except thou thy selfe a better time know,
Thy Land let be tasted with compost good store,
well fallowed, and stirred let thy land be before.

i	f	Giles Abbot.	Taurus	9	6,24	
ii	g	Anthony mar.	Taurus	22	6,22	
iii		13. sun.aft.tri.	Gemini.	4	6,19	☾
iiii	b	Cuth. Transl.	Gemini	16	6,17	Last quarter the south day, three quarters past ten at night.
v	c	Bertin.	Gemini.	28	6,15	
vi	d	Engenius.	Cancer.	10	6,13	
vii	e	Nat. Elizab.	Cancer.	22	6,11	
viii	f	Nat. of Ma	Leo	4	6, 9	
ix	g	Gorgonius	Leo	16	6, 7	●
x		14. sun.aft tri	Leo	29	6, 5	New moore the twelfth day, almest three quarters past nine at night.
xi	b	Proth. & Jac.	Virgo.	11	6, 2	
xii	c	Martinian.	Virgo.	24	6, 0	
xiii	d		Libra	7	5,58	
xiiii	e	Holy Crosse	Libra.	20	5,55	
xv	f	Nichomede.	Scorpio.	4	5,53	
xvi	g	Edith virgin	Scorpio.	18	5,51	
xvii		15 sun.aft. tri	Sagitar.	2	5,49	
xviii	b	Vict. & coro.	Sagit.	15	5,47	First quarter the nineteenth day, a quarter past eleven of the clocke at night.
xix	c	Januarii. bish	Segit.	30	5,45	
xx	d		Capric.	14	5,43	
xxi	e		Capric.	28	5,41	
xxii	f	Mauric.	Aquar.	12	5,38	
xxiii	g	Secla virgin.	Aquar.	27	5,36	
xxiiii		16 sun.aft.tri	Pisces.	11	5,34	
xxv	b	Fermine	Pisces.	25	5,32	
xxvi	c	Cyprian bish.	Aries	8	5,29	Full moone the twenty fire day, a quarter past nine at night.
xxvii	d	Cos. & Dam.	Aries.	21	5,27	
xxviii	e	Exuperius	Taurus.	4	5,25	
xxix	f		Taurus.	17	5,22	
xxx	g	Hieromyiest.	Taurus	29	5,20	

This month for thy sowing is a season most fitt,
of wheat and of rye too, if raine doe not hitt:
Scower ditches, let Plums, Peare, Aple, and Nut,
let trees now be plashed & hedges bee cut.

i		17 sun af. tri.	Gemini.	12	5,	18	
ii	b	Leo legar bi.	Gemini.	24	5,	16	☽
iii	c	Candide mar	Cancer.	7	5,	14	
iiii	d	Francis virg	Cancer.	18	5,	12	Last quarter the
v	e	Apollinaris	Cancer.	30	5,	10	fourth day, a lit-
vi	f	Faith virgin	Leo	12	5,	8	tle before seaven
vii	g	Marcia mar.	Leo.	24	5,	6	of the clocke at
viii		18 sun. af. tri.	Virgo.	6	5,	3	night.
ix	b		Virgo.	19	5,	1	
x	c	Gedeon mart.	Libra	2	4,	59	●
xi	d	Nicasius bish.	Libra	15	4,	57	
xii	e	Multitude	Libra	29	4,	55	New moone the
xiii	f		Scorpio.	13	4,	53	twelfth day, half
xiiii	g	Calixte.	Scorpio	27	4,	51	an houre past el-
xv		19 sun. af. tri.	Sagit.	12	4,	49	even at night.
xvi	b	Wich. mount	Sagit.	26	4,	46	t.
xvii	c	Transf. Eliæ.	Capric.	11	4,	44	
xviii	d		Capric	25	4,	42	
xix	e	Frodelwid v	Aquar.	9	4,	40	First quarter the
xx	f	Austrebert	Aquar.	22	4,	38	xix day. halfe an
xxi	g	Ursula virgin	pisces	7	4,	36	houre past fiue in
xxii		20 sun. af. tri.	Pisces.	21	4,	34	the morning.
xxiii	b	Roman Arch	aries	4	4,	32	
xxiiii	c	Magistri. bish	aries.	18	4,	30	
xxv	d	Crisp & Crisp.	Taurus.	1	4,	28	
xxvi	e	Custart.	Taurus.	13	4,	26	Full moone the
xxvii	f		Taurus.	26	4,	24	xxvi day, a quar-
xxviii	g		Gemini.	8	4,	22	ter past one in
xxix		21 sun. af. tri	Gemini.	20	4,	20	the morning.
xxx	b	Germanus bish.	Cancer.	2	4,	18	
xxxi	c		Cancer.	14	4,	16	

Fell downe all your Timber at wane of the moone,
and fallow for Barley for us not too soone,
Get Ashes to burnish your Harrow and Plough,
hor ground will beare wheat bow and rye well enough.

i	d		Cancer.	26	4,14	
ii	e	All Soules	Leo	8	4,12	
iii	f	Winifrede	Leo	20	4,10	
iiii	g	Amantius.	Virgo	2	4, 8	☾
v			Virgo.	14	4, 7	Last quarter the
vi	b	Leonard	Virgo.	28	4, 5	third day, at two
vii	c	Willibride	Libra.	10	4, 3	of the clocke in
viii	d	4. Crowned.	Libra.	23	4, 1	the afternoone.
ix	e	Theodore	Scorp.	7	4,59	
x	f	Martin mart	Scorp.	21	3,58	●
xi	g	Martin bish.	Sagit.	6	3,56	New moone the
xii			Sagit.	21	3,54	tenth day, a
xiii	b	Brise.	Capric.	6	3,53	quarter past ele-
xiiii	c	Tran. of Erk	Capric.	21	3,52	uen at night.
xv	d	Maturo bish.	Aquarius.	5	3,51	
xvi	e	Edmund	Aqua.	20	3,49	
xvii	f	Q. Elizabeth.	Pisces	4	3,48	First quarter the
xviii	g	Oct. 5. Marc.	Pisces.	18	3,47	xvii. day, a little
xix		Nat. P. Cha.	Aries	1	3,46	past two in the
xx	b	Edmu. King	Aries	14	3,45	after noone.
xxi	c	Pres. of Mar.	Aries.	27	3,44	
xxii	d	Cicely virgin	Taurus.	10	3,43	
xxiii	e	Clem. Bishop	Taurus.	22	3,42	
xxiiii	f	Grisogonus.	Gemini.	5	3,41	Full moone the
xxv	g	Kathe: virg.	Gemini.	17	3,39	twenty fiue day,
xxvi		25. sun. aft. tri	Gemini.	29	3,38	a little before
xxvii	b		Cancer.	11	3,37	foure in the
xxviii	c		Cancer.	23	3,36	morning.
xxix	d		Leo	5	3,35	
xxx	e		Leo	16	3,34	

Looke to thy poore Cattle, let that be thy care,
to house, and to cherish all such as be bare,
Set Lime-twigs and Rises, the fowles to intrap,
take hundreds of Crowes in a net at a clap.

i	f	Loy. bishop	Leo	28	3,34	
ii	g	Libane martr.	Virgo	10	3,33	☾
iii			Virgo.	23	3,33	Last quarter the
iiii	b	Barbary virg	Libra.	5	3,33	thirt day, at nine
v	c	Sabba virg.	Libra.	18	3,32	of the clocke in
vi	d	Nicho. bishop	Scorpio.	1	3,32	the morning.
vii	e	Ambrose bish.	Scorpio.	15	3,32	
viii	f	Concep. Ma.	Scorpio.	29	3,31	●
ix	g	Cyprian.	Sagitar.	24	3,31	New moone the
x		Eulalie virg.	Sagitar.	29	3,31	tenth day, three
xi	b	Damasi.	Capric.	14	3,31	quarters of an
xii	c		Capric.	30	3,31	houre past ten in
xiii	d		Aquar.	14	3,31	the morning.
xiiii	e	O tholy virg.	Aquar.	30	3 31	
xv	f	Valerius bish.	Pisces.	14	3,31	
xvi	g	O Sapientia	Pisces.	28	3,32	
xvii		Lazarus bish.	Aries	11	3,32	First quarter the
xviii	b	Gratian bish.	Aries.	24	3,32	seuenteenth day
xix	c	Uenitia virg.	Taurus.	7	3,33	at halfe an houre
xx	d		Taurus.	20	3,33	before one in the
xxi	e		Gemini.	2	3,33	morning.
xxii	f	30. martyrs.	Gemini.	14	3,34	
xxiii	g	Victor virgin	Gemini.	26	3,35	
xxiiii			Cancer.	8	3,36	Full moone the
xxv	b		Cancer.	20	3,37	twenty foure
xxvi	c		Leo	2	3,38	day, at nine of
xxvii	d		Leo	13	3,39	the clock, and 54
xxviii	e		Leo	25	3,40	minuts at night.
xxix	f		Virgo.	7	3,41	
xxx	g	Transl. Jacob	Virgo.	19	3,42	
xxxi		Silvest. bish.	Libra.	2	3,43	

Ranger. 1615.

A Prognostication, for the yeare of our Redemption, 1615.

Amplified with new additions, *very commodious and profitable:* with Tables & Rules thereto annexed, fitte for sundry occasions, *& sorts of men; which* the ingenious may vse, to their pleasure and profite.

By PHILLIP RANGER.

Omne tulit punctum
qui miscuit vtile dulci.

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A note of the Termes, and their Returnes.

Hillarie Terme beginneth the 23 of January, and endeth the thirteeth of Feb. } *hath iiij. Returnes,* { Octabis Hillar: Ian. 20. / Quind: Hilar. Ian. 27. / Crasti. Purific. Feb. 3. / Octab. Purific. Feb. 9.

Star-chamber dayes. Ian. 25. 27. *Feb.* 1. 3. 8. 10. 14.

Easter terme beginneth the 16. of April, and endeth the 26 of May. } *hath fiue Returns.* { Quind: Paschæ. Apr: 24. / Tres Paschæ. May, 1. / Mense Paschæ. May 8. / Quinq; Paschæ. May 15. / Octab: Ascenti. May. 19.

Star-chamber dayes. Ap. 26. 28. *may,* 2. 5. 10. 12. 17. 19. 23

Trinity terme beginneth the 9 of Iune, and endeth the 28. of Iune. } *hath foure Returnes.* { Crasti. Trinit. Iune 5. / Octab trinit: Iune 12. / Quind. trin. Iune, 19. / Tres trinit: Iune, 26.

Star-chamber dayes, Iune. 14. 16. 21. 23. 28.

Michael mas Terme beginneth the ninth of October, and endeth the eight & twenty of Nouemb. } *hath eight Returnes.* { Octab. Michael. Octob. 6. / Quind: Michs. Octob. 13. / Tres Mich Octob. 20. / Mense Mich. Octob. 27. / Crast. Animarũ. Nouẽb 3. / Crast. Martini. Nouẽb. 12. / Octabis Martinj Nou. 18. / Quind. Martinj. Nou: 25.

Star-chamber dayes — { *October,* 11. 13. 18. 20. 25. 27. / *Nouẽ.* 3. 8. 10. 15. 17. 22. 24. 29. }

Vacation betwixt the Termes.

Betwixt { Hillarie, & Easter terme / Easter, & Trinity terme / Trinitie & Michelmas, / Michelmas and Hillary } is { 10 weeks, & 1. day. / 2. weeks, & 3. dayes. / 14. weeks, & 4 dayes / 7. weeks & 5. dayes.

Ordinary and vulgar Obseruations.

The Iulian, or English Account. 1615.	
The Golden number.	1.
The Dominicall Letter.	A.
The Epact.	11.
Septuagesima.	Feb. 5.
Ashwednesday.	Feb. 22.
Easter-day.	Aprill, 9.
Ascention day.	May. 18.
Whitsunday.	May. 28.
Aduent Sunday.	Decēb. 3.
Frō Christm. day, til shroue-sunday, is iust eight weekes.	
Frō Trinity til Adu.	26 wee.

Imber dayes.	
March.	1. 3. 4.
May. 31. Iune.	2. 3.
September.	20. 22. 23.
December.	13. 15. 16.

The Gregorian, or Romish Account. 1615.	
The Golden number.	1.
The Dominicall letter.	D.
The Epact.	1.
The Romish Calleder obserueth these Feasts, the same day with ours.	
Aduent Sunday, on Nouember.	26.
Frō Christm. day, til shroue-sunday, is 9. weeks 3 dayes.	
Frō trin till Aduēt.	24. wee.

Imber dayes.	
March.	11. 13 14.
Iune.	10 12. 13.
September.	16. 18 19.
December.	16. 18. 19.

Times prohibited from Mariage.

From Aduent Sunday, till eight dayes after twelftyde.
Frō Septuagesima sun day, til eight dayes after Easter day.
From Rogation sunday, till eight dayes after Whitsund.
Which account is to be takē inclusiuely by our Lawe.

The Romish church hath shortned these times, & limited the prohibited seasons frō Aduent sun day til twelf tyde; and from Ashwednesday, til the sūday after Easter, *inclusiue, Conc. Trid: sess:* 24. *cap.* 10. *de reform: Matrim.*

Astro.

Aſtronomicall Calculations for this preſent Yeare. 1615.

THe Anomalia of the Aequinctiall, is, 5. ſect: 51. degree, 59. m. 5 ſe.

The true Proceſsion of the Aequinoctiall is, according to Reinhaldus, 26. deg. 13. min. 40. ſec. But according to Tycho Brahe, 28. deg. 32. min. 36. ſec.

The greateſt obliquitie of the Zodiake, is (according to Reinhaldus) 23. deg. 28. min. 2. ſec. But by Tycho Brahes account 23. deg. 31. min. 33. ſec.

The Eccentricity of the ☉. by the Prutenicke tables, is 32205. the totall ſine being 1000000. or, 1. part, 55. min. 56. ſec. 16. thirds: the totall being 60. By Tycho Brah: it is 2. parts, 9. min. the totall being 60.

The Apogeon, or Aux. of the ☉. with Reinhaldus, is in the 8. deg of Cancer, 54. mi. 7. ſec. but with Tycho, it is in the 9. deg. of Canc. 54. min. 7. ſec.

		gr.	m.	ſe.	
Aux. vel Apogeon.	Saturni,	29.	41.	7.	♐.
	Iouis,	7.	0.	56.	♎.
	Martis,	21.	52.	56.	♌.
	Veneris,	16.	34.	40.	♊.
	Mercurij	0.	45.	32.	♑.

The compaſſe of the Earth, in the Paralell of Yorke, where the Pole is eleuated, 54. deg. 20. min. is, 12540. And if you trauell in that Paralell 1567. miles, you alter 3. houres of time, and 522. miles doe alter one houre of time: And 34. miles, 5. 6. parts, doe alter 4. minutes of time, and 8. miles. 2. thirds, doe alter one minute of time. That is, it is noone at Yorke, 4. minutes ſooner then 35 miles, to the **Weſt** of Yorke: and it is noone later by 4. minutes at Yorke, then eight miles to the Eaſt.

A Description of the foure quarters of the *Yeare, with the disposition of the same.*

Of the Winter.

THe Winter Quarter Astronomicall of this Yeare, 1615. (according to the common doctrine of Astronomers, & especially of Copernicus and Reinholdus) began the xii. day of December, in the yeare 1614. being munday, about 9. of the clocke, & 18. minutes in the forenoone: at which time, the Sunne entred into the first min: of Capricorne: being then declined frō the æquinoctiall 23. deg: 28. min: 4. sec: to the southwards, continuing vs to the shortest day, and longest night: The day being then with vs at Yorke 7. houres and 2. min: and the night 16. houres, 58. min: and this quarter continueth so long as the Sunne is passing through Capricorne, Aquarius, and Pisces, euen vntill the 11. day of March, next following.

This Winter season, is (as euery man knoweth) cold and moyst, vncomfortable, and dangerous to Trauellers by Sea and Land: more troublesome to olde persons then to young, by reason that the lusty and hote spirites of Youth, doth mitigate the superfluity of moyst humors, whereas the coldnes of Age doth yeeld vnto it.

The diseases incident to this Quarter, are Agues, all kindes of Gowts, and other Aches ingendred by Rewmatick matter distilling along the body. Stitches in the sides and backe, Dropsies, consumption, &c.

Of the Spring.

THe Sun that most glorious eye of the worlde, & comforter of nature, hauing made his reuolution through the Zodiack: beginneth his taske again, vpon the 11. day at 1. a clocke, 30. min: in the afternoone, according to Copernicus and Reinholdus. At which time the dayes and nights are of equal length throughout the whole world, being

ing mounted aboue our Horizon 35. deg: 40. min: and this Quarter continueth vntill the 11. day of June.

This Season doth reuiue, and quicken the spirites of men, & of all other vegetatiue creatures, which before were culled by the vncomfortable, & disastrous freezeing winter season. Now the Earth beginneth to attire herselfe in the gorgious liuery of Deme Flora: Now all creatures receyue to multiplie, and blessings of God for the preseruation of mans life, and comfort now appearing.

This Diseases raigning in this Quarter, are like to be these: small Pocks, Measels, Plurisies, Squinances, hot Feauers, with all other diseales that proceed from corruption of blood, which now doth begin to abound: and therefore now is the best times to vse Phlebotomie, & Purging of noctuous humors, which bring diseales to the body, but take heede, you haue the counsell of the Learned, and play not hand ouer head, least you repent when it is too late, for dealing with Dogge-leeches.

Of Summer.

NOw is bright shining Phœbus approached nigheſt to our Zenith, & is at his farthest declination towardes the North, beeing mounted aboue our Horizon, 59. deg: 10. min: making the longest day 16. houres, 58 min: and the shortest night 7. hours 2 min: He entreth into the first min: of Cancer: on the 11. day of June, at 1. a clocke and 38. min: in the morn: & continueth til the 13 of septēb.

This season by reason it is hote and drie, bringeth the fruits of the Earth to maturitie and ripenesse, and all kinde of Cattel to fatnesse: This is the inticer to Mariners, and others, to take theyr Voyages, and vndergoe many Trauells, for the bringing in commodities, and increasing of wealth.

The sicknesses which are likest to preuaile on mens bodyes this quarter are, corrupt bastardly Feuers, paines in the stomach, with lothsomnes of meate, Frensies, Aches in the ioynes: hot swellings, pellow Iaundies, and all other

which proceede of hote and chollerick humours. It is an vnfit time to take Phyſicke, except in caſes of extremitie, and with the beſt direction of the Learned.

¶ Of Autumne.

THe concluding quarter of our vſuall yeare, called Autumne, beginneth when the Sunne entreth into the firſt min: of Libra, which is on the 13. day of September, at 2. of the clocke, and 51. min: in the After-noone, making then the length of Day and Night equall.

This ſeaſon is cold and drye, the forerunner of that deuouring, and oppreſſing Tyrant, Winter: Now all the beautie of the Earth begenneth to fade, and this our cõmon mother reſigneth her rich Robe, wherewith before ſhe was by the goodnes of the Spring Immantled, laying it vp in the rich Wardrobe of Nature, to reſume it againe, when the violence of Winter is paſt.

The bodily diſeaſes ſubiect to this ſeaſon are more then many: for Mans bodie is now ſubiect to be vexed with almoſt all diſeaſes that can be named. But the vſuall & proper Infirmities of this Quarter, are by the iudgement of Hyppocrates, Quartane Agues, obſtructions of the Breſt and Lungs, difficulty of breathing, Diſeaſes and faintneſſe of the ſpleene, Chollicks, Joynt-aches. From which, and all other diſeaſes, eſpecially the diſeaſes of the Soule:

Good LORD deliuer vs.

¶ A generall Prediction what is likely to *happen all this enſuing Yeare.*

I Finde great diuerſitie of opinions, touching predictions of Aſtrologers, which tye our actions, and enterpriſes to certaine Conſtellations, and Aſpects of Starres, and Reuolutions of the heauens, and which extend theyr Art to Natiuities, and Foretelling things to come: both in the whole courſe of mens particular Actions, and alſo of the ſtates

states & alterations of Kingdomes & Cõmon-wealths, &c. Some vtterly condemning the Art, as altogether impious, vaine, deceitfull, foolish. Some againe defending it, as lawfull, and no way to be taxed of such follie and vngodlynes.

For my part, as I will not take vpon mee to defend the vse of Astrologie in predictions: So neither dare I condemne it: because although all Actions and Euents depend vpon the prouidence of God, who is the chefe Agent, and most powerfull gouernour of the World, yet I cannot perswade my selfe, that this great power of God, doth annihilate, and make voyd the naturall powers of his creatures, which hee vseth as Secondary, and subordinate meanes of effecting his will and determination. But be it as it may bee, and leauing both parts to the defence of theyr opinions, I haue euer held it the safest course, to cõtaine my selfe wth the limits of the Concrete parte of Astronomie, and not to meddle wth the Abstract part, which consisteth in foretelling Future euents, least I should too curiously pyre into Gods secret Cabinet, which he hath couered with a curteine of sacred secrecie: For what is hee that dwelleth with mortall flesh, that can determine how farre the counsell of the Lord goeth, in ordering and disposing, the Actions and Euents of his Creatures? Yet not meddling with the Influences of the heauens, but looking into the corruptions of time, with which these Dogge-dayes of goodnesse doe abound. Thus farre I may presage what will follow:

When I see Prodigall young Gallants, Dycing, and Reueling, &c. I may foresee, that many Ancient houses shall decay, and where Vertue and desert in the Ancestors was the Protasis, Beggery and shame in the posterity, will bee the Catastrophe.

When I see Pride preaching vp it selfe, and laying a Lordship to pawne, for a time or two of Apparell, I may presage that this yeare will be ominous to Cookes, and beneficiall to Taylors, and that Hospitality, an old English Ghest, who found good entertainment with the Grandfa-

ther,

ther, and Father, is like to be thrust out of doores by the Sonne.

When I perceyue so many Roring-Boyes, and other idle Gallants, that haue neither imployment in Warres abroad, nor wherewith to maintaine themselues at home: why should not I say, there is like to ensue many Robberyes and Pyracies.

When it is commonly knowne that Wiues creepe into corners with other men, why may not this yeare be fatall to many honest men to weare the horne.

And to be briefe, I doe coniecture that in this yeare will happen too many dishonest practises by Bankrowts, worthy the Halter for a reward.

Great death & murren amongst Bayliffs, Sergeants, Sumners, Geolers, Catch-poales, Inkeepers, & the like: who shall die so fast, that a man may scarce a whole Shyre, and scarce finde an honest man of theyr profession.

Lawyers will be Coung-tyed, except theyr Clyents prouide Aurum Potabile, to cleanse theyr throates.

Officers will be deafe to hearken to poore mens sutes, till theyr Eare waxe be picked out with a siluer Eare picker.

Diuines will haue Crotchets in theyr heads, & New-fangled conceyts to raise a Schisme, & trouble the Peace of the Church, if Authority doe not supplant them, and with seuerine scratch theyr itching Eares.

Papists will be at defiance with Gods truth, and plot all vilanies, to set vp theyr Popish kingdome: but God I hope will turne theyr deuises vpon theyr owne heads, and make theyr counsells, like the counsells of Achitophel.

God for his Sonnes sake, turne our harts to him in all humble obedience, that the kingdome of Sathan, and Sathan may bee abolished, and his Christ, and our Iesus, raigne in our hearts. Amen.

A Table of the Rising and Setting, and comming to South of the Planets, the first day of euery moneth, 1615. in Lat: 54. 20.

Ianuarie.

	Rise.	South.	Sett.
☉	8.16.m.	0. 0.	3.44.e.
♄	10.56.m	5. 2. e.	11. 8. e.
♃	3.19. m.	7.45.m.	0.11.m.
♂	3. 50. e.	0.29.m.	9. 8. m.
☿	8. 44.m.	11.13.m	2. 42. e.
♀		Cõbust.	

Aprill.

	Rise.	South.	Sett.
☉	5.14.m.	0.0.	6.46.e.
♄		Cõbust	
♃	9.56. e.	2.11. m	6.26.m.
♂	10.33 m	6.30. e.	2.27. m.
☿	5. 30.m	2.42. e.	7.54. e.
♀	5.32.m.	1.17. e.	5. 2. e.

Februarie.

	Rise.	South.	Sett.
☉	7. 23.	0.0.	4.37. e.
♄	8.48.m.	. 1. e.	9.44. e.
♃	1.38.	. 52.m	10.6.m.
♂	1. 35.	. 29.e.	5.23.m.
☿		Cõbust.	
♀	6.19.m.	10.21.m	2.33. e.

May.

	Rise.	South.	Sett.
☉	4.13 m.	0. 0.	7.46. e.
♄	3.43.m.	10.11.m	4.48. e
♃	7.46. e.	0.7. m.	4.28. m
♂	9.51.m.	5. 31.e.	1.11. m
☿	4.54.m.	1. 17. e.	9.40. e
♀	3.36.m.	11.28.m	7.20. e

March.

	Rise.	set.	South.
☉	6. 21.m	0. 0.	5.39. e
♄	7. 6. m	1. 27. e	7. 48.e
♃	11.59.	4.11. m	8.23. m
♂	11.50 m	7. 50. e	3. 50. m
☿		Cõbust	
♀		Cõbust.	

Iune.

	Rise.	South.	Sett.
☉	3.33.m	0. 0.	8. 27. e
♄	1.35. m	3.18. m	3. 1. e
♃	5.21.e	9.48.e	2.15. m
♂	9.21.m	4.32. e	11.43.e
☿	5.50. m	2. 0. e.	10.10. e
♀	2.48. m	10.48 m	6.46. e.

A table

¶ A Table of the Rising, Setting, and comming to South of the Planets, the first day of euery moneth, 1615. in Lat: 54.20.

	Julie.			October.		
	Rise.	South.	Set.	Rise.	South.	Set.
☉	3.41. m	0. 0.	8.19.e	6.42.m	0. 0.	5.18. e
♄	11.36.e	6.23. m	1.10.e	5.52.e	0.32. m	7.8. m
♃	3.10.e	7.37.e	0.4. m	10.26.m	2.33.e	6.40.e
♂	9.0.m	3.34.e	10.8.e	8. 12. m	1.38.e	6.4. e
♀	7.7. m	2.20.e	9.33.e	10.57.m	3. 6. e	7.15. e
☿		cõbust.		5.41. m	11.27 m	5.13.e

	Auguſt.			Nouember.		
	Riſe.	ſouth.	ſet.	Riſe.	ſouth.	ſet.
☉	4, 29,	0, 0,	7,31, e	☉ 7,46, n	0, 0,	4,14, e
♄	9,37,	1, 24, m	11,11 m	♄ 3.48.e	70,21, e	4.54, m
♃	1,14,	5, 40,e	10,6,e	♃ 9,5, m	1. 0. e	4,55,e
♂	8,51,n	2,45,e	8,39,e	♂ 9,21, n	1,8, e	4,55,e
♀	8,29, n	2,32,e	8,35,e	♀ 10539,n	2,38,e	6,37,e
☿	7, 18,n	1,40,e	8,2,e	☿	Cõbuſt.	

	September.			December.		
	Riſe.	ſouth.	ſet.	Riſe.	ſouth.	ſet.
☉	5,36, m	0, 0,	6,24,e	☉ 8,26, m	0, 0,	3,34, e
♄	7,44,e	2,27, m	9,10, m	♄ 1,36,e	8, 7, e	2,38, m
♃	1,43,m	4, 0, e	8,17,e	♃ 7,53, m	11,40, m	3,27, e
♂	8,57, m	2, 6, e	7,15,e	♂ 9,9,.m	0,37,e	4,5, e
♀	10,8, m	2,46, e	7,24,e	♀	Cõbuſt.	
☿	4,39, m	11,23,m	6,7,e	☿ 9,42, m	1, 13,e	4,44, e.

The

The proportion or quantitie of the elementary and firmamentary parts of the world, according to the iudgement of the best Astronomers, both ancient & moderne.

A degrée cõteineth 60. Engl: miles, or 2400. furlõgs
The circuit of ỹ earth is 360. deg: or 21600 miles.
The *diameter* of ỹ earth, cõteineth 6872. $\frac{8}{11}$ miles.
The *semidiameter* of ỹ erth, cõteineth 3436 $\frac{4}{11}$ miles
The *superficies* of the earth, conteineth 148450906. $\frac{3}{11}$ square miles.
The whole *Cubicall* of the Earth, conteineth 510131305785. square or cubicall miles.

That which is said here of the earth, is to be vnderstood of earth & water. for they both make but one globe.

Of the sphere and body of the Moone. ☽.

IT is from the *surface* of the earth, to the *conuex superficies* of ☽ sphere 217041. miles.
The circuit of the *conuex superficies* of ☽ sphere, is 1386000. miles.
So it wheeleth about 57750. miles in an houre.
The body of the earth, conteineth the body of ☽ 39. $\frac{1}{3}$ times.
The body of th ☉ un, is as big as the body of ☽ 6539
The compasse of the body of ☽ 6358. miles. (times.

Of the sphere and body of Mercury. ☿.

IT is from the earth, to the *conuex superficies* of the sphere of ☿ 576137. miles.
The circuit of ỹ same *superficies* is 3621695 2. mile.
So it wheeleth about euery houre, 150905. miles.

The

The body of the earth, is bigger then the bodie of ☿ 21952.times.

The compasse of the body of ☿ is 772.miles.

Of the sphere and body of Venus. ♀.

IT is from the earth to the *conuex superficies* of the sphere of ♂ 3853639.miles.

The circuit of ẏ same *superficies* is 24212861,miles

So it whæleth about euery houre 1009286.miles.

The body of ẏ earth is bigger thē of ♂ 37.times.

The compasse of the body of ♂ is 6480. somewhat bigger then ☽.

Of the sphere and body of the sunne. ☉.

IT is from the earth to the ☉ 4178618.miles.

He goeth in 24.houres 262655[illegible]9.miles,and in one hou: 1094300 mil: & in one min: 182[illegible]8,miles.

The body of the ☉ is bigger then the earth, 16[illegible] times,and bigger then the ☽ 6539.times

The compasse of the body of ẏ ☉ is 118800. miles.

Of the sphere and body of Mars. ♂.

IT is from the earth to ♂ 30424[illegible]05.miles.

The circuit of ẏ sphere of ♂ is 26246086.miles.

So he whæleth about 7968375.miles euery houre, ♂ is once & an halfe as big as the earth.

The compasse of the bodie of ♂ 25225.miles.

Of the sphere and body of Iupiter. ♃

IT is from the earth to ♃ 49411473.miles.

The circuit of ẏ sphere of ♃ is 310580399 miles

So it whæleth about 12941100.miles in 1.houre.

The body of ♃ is bigger then the earth 95.times.

The compasse of the body of ♃ is 99193.

Of

Of the sphere and body of Saturne, ♄.

IT is from the earth to ♄ 77706491. miles.
The circuit of ẏ sphere of ♄ is 48844079. miles
So it wheeleth about 202516700. miles euery houre, and 3291[illegible]5. miles euery minute.
♄ is bigger then the earth, 91. times.
The compasse of the body of ♄ is 97200. miles.

Of the starry firmament.

IT is frō ẏ earth to ẏ firmament 155400454 mil:
It wheeleth 49700119. miles in an houre, and 678[illegible]35. miles in a min.
In this firmament are placed 1022. starres of note, which are diuided into 6. degrees of magnitude.
Of the first magnitude are 15. starres, and euery one is bigger then the earth 107. times.
Of the second bignes are 45. starres: and euery one is bigger then the earth 90. times.
Of the third magnitude are 208. starres, and euery one is bigger then the earth 72. times.
Of the fourth magnitude are 474. starres, and euery one is bigger then the earth 55. times.
Of the fift magnitude are 217. starres, and euery one is bigger then the earth 36. times.
Of the 6rt magnitude are 49. starres, and euery one is bigger then the earth 18. times.
The whole body of the earth, compared to the vniuerse, is but as a prick, or center, & of no moment.

These are other Spheres aboue the starry Firmament, as the ninth Sphere called the *Crystalline heauen*, and aboue that *Primum Mobile*: and aboue that

that, the *Emperiall Heauen*, which the learned say, *Is the place of the Elect.*

The learned know the truth of these things, but they will seeme incredible to the vnlearned, for whose sake onely they are set downe to informe their vnderstanding, and reforme their iudgments. *The works of the Lord are great, beautifull, and glorious, and ought to be sought out of all that loue him. Psal. 111.*

Cum in his operibus obseruo amplissimã maiestatẽ, infinitam multitudinẽ, admirabilẽ varietatem, cõstantissimũ ordinẽ, pulcherrimã harmoniã, indesinentẽ perpetuitatem, iucundissimã alternantiũ rerũ vicissitudinẽ: & in summa, tam stupendam corditionis, ac dispositionis sapientiã, & vniuersum hoc rerũ tam terrestriũ, quam cœlestiũ officiũ, nulli naturæ, sed sapientiæ, & omnipotentiæ dei gloriosi hæc omnia ascribere possum, & harũ rerum contemplatione in eius cognitionem amorem, & admirationem maximè inducor.

Of the Eclipses this present yeare, 1615.

THere shall be this present yeare, 2. Eclipses of the Sunne, and none of the Moone.

The first Eclipse of the Sun, happeneth at 6. of the clock 22. min: and 47. second in the morning, on the 19. day of March, which to the inhabitants of *China* will be very great and fearefull, but not visible with vs here at *Yorke*.

The second Eclipse will happen on the 12. day of September, about 9. of the clock and 30. min: at night, to be seene to the Inhabitants of *Virginia* and *Mexico*, and fully finished before the Sunne setteth with them, but not a whit visible with vs in *England*.

¶ An excellent, easie, & vse-full Table, for Marchants, and all other that vse Trading, Buying, Selling, or Borrowing: First set foorth by that learned Gentl: M. Arthur Hopton.

	What 100. poũ i put out to Iewish, or cõpound Vsurie, will amount to, for any time, vnder 24 yeeres.			What mony is to bee payde in hãd, to receyue 100. at the end of any yeares, vnder 24. at the same Rate.			What is. 10. ll. annuity by the yeare worth, to indure any number of years, vnder 24. after the same Rate.		
	Lib.	sh.	d.	Ll.	sh.	d.	Ll.	sh.	d.
1.	110	0.	0	90	18	2	9	1	10
2	121	0	0	82	12	11	17	7	1
3	133	2.	0	75	2	8	24	17	4
4	145	8.	2	68	6	0	31	14	0
5	161	1.	0	62	1	10	37	18	2
6	177	3.	1	56	8	11	43	11	1
7	194	17	5	51	6	13	48	13	9
8.	214	7	2	45	13	0	53	7	0
9	235	15	10	42	8	2	57	11	10
10	259	7	6	38	11	1	61	8	11
11	285	6	2	35	1	0	64	19	0
12	313	16	10	31	17	9	68	2	3
13	345	4	6	28	19	4	71	0	8
14	379	15	0	26	6	8	73	13	4
15	417	14	6	23	18	10	76	1	2
16	459	9	11	21	15	3	78	4	9
17	505	9	10	19	15	8	80	4	4
18	555	19	10	17	19	8	82	0	4
19	611	11	10	16	7	0	83	13	0
20	672	15	0	14	17	3	85	2	9
21	740	0	6	13	10	3	86	9	9
22	814	0	6	12	5	8	87	14	4
23	895	8	7	11	3	2	88	10	10
24	984	19	5	10	3	0	89	17	0

The vse of the precedent Table.

I Haue a child borne, and am willing to procure it a portion. I giue to a man a 100. pound to occupie till my childe come to the age of 21. yeares, couenanting with him to pay the vsury, and the vsury of the vsury as it groweth due, after the rate of 10. pound per Ann: What will it be at the end of 21. yeares. I looke in the table ouer against 21. yeares, and there I find, 740. poundes. 0. shil. 6. pence, so much it amounteth vnto.

The vse of the second table is this. I haue a childe borne, what money shall I giue in hand to be ust 100. pounds at the end of 21. yeares after the same rate of Iewish vsurie. I looke in the second table ouer against 21. yeares, and there I find 13. pounds. 13. shil. 3. pence, so much I must deliuer in hand.

The vse of the third table is this: I buy a lease worth 10. pounds ouer the rent *per annum*: this lease is to endure 17. yeares, what shall I giue for this 10. pounds, per Ann: for 17. yeares, reckoning my money after the same rate. I looke in the third table for 17. yeares, & ouer against it, I find 80. pounds, 4. shil. 4. pence, so much it commeth vnto.

Behold ye Vsurers, how your vsury biteth, and eateth vp poore men that fal into your hãds. And looke to it ye borrowers, else your estates

will

will be eaten out before ye be aware.

He that desireth more knowledge in these or the like kindes of Accounts, I referre him ouer to H. Wittes booke, which is painefully, skilfully, or wittily calculated, wher he may be throghly informed to his full contentment; which booke I wish were knowne to many sorts of men, and those men I wish should be really thankfull to the Author, to incourage him, and the professors of other arts to continue their paines for the good of the common-wealth.

A Table shewing the longest day, in those places which lye betwixt the Lat: of 36. & 66. degr.

Degr: of Lat:	Longest day. Hor.	Min.	S.	Degr: of Lat:	Longest day. H.	M.	S.
37.	14.	33.	4.	52.	16.	30.	32.
38.	14.	37.	36.	53.	16.	41.	52.
39.	14.	44	56.	54.	16.	54.	8.
40.	14.	51.	12.	55.	1 .	7.	4.
41.	14.	57.	44.	56.	17.	21	4.
42.	15.	4.	4.	57.	17.	36.	16.
43.	15.	11.	20.	58.	1 .	52.	48.
44.	15.	18.	40.	59.	18.	10.	48.
45.	15.	26.	8.	60.	18	30.	56.
46.	15.	34.	8.	61.	18.	53.	20.
47.	15.	4 .	24.	62.	19.	18.	24.
48.	15.	51.	4.	63.	19.	48.	40.
49.	16.	0.	8.	64.	20.	24.	24.
50.	16.	9.	44.	65.	21.	10.	32.
51.	16.	19.	52.	6 .	22.	20.	40.

The vse of this Table is to know the length of the lõgest day in seuerall climates. Exãple: If I would know the length of the longest day where the pole is mounted 54. deg. I loke in the table for 54. vnder the title deg. of lat. & ouer against that, I find, 16. houres 54. min. the lẽgth of the lon-

longest day in Sommer, & of the longest night in winter. Take the longest day or longest night out of 24. houres, the remainder is the length of the shortest day, and shortest night.

But if there be min. adioyning to the deg. of lat. you must worke by proportion. Example. At Yorke the pole is elevated 54. deg. 20. min. I find that 54. deg. yeeldeth 16. houres 54. min. and 55. degrees yeld 17. houres 7. min. the difference is 13. min. which by proportion of 20. to 60. yeld 4. min. to be added to 16. houres 54. min. so the aggregate is 16. houres 58. min. iust the length of the longest day at Yorke, the halfe whereof is the time from sunne rising till noone 8. houres 29. min. note the longest day at Yorke, is more then the longest day at London, by 33. min. and the shortest day at London, is more then at Yorke, 33. min.

¶ A briefe note of the chiefest commodities euery seuerall shire in *England* yeeldeth.

Kent chiefest cloth of England yeeldes,
Sussex Glasse, and Iron brings:
Surrey is full of fruitfull fieldes,
Middlesex the chamber of our Kings.
Hamshire, Kersies, forests, and deare,
Dorchester, Allum and Copperas hath:
Wiltshire, Sheepe and Stonehenge rare,
Somerset, Diamonds, and the bath.
Deuonshire, Kersies high of price,
Cornewale, Mines of gold, and Tinne:
Essex, Saffron sold as spice,
Hartford, Pastures, wood, and Kyne:
Oxford, Schooles of learned men,
Buckingham, Sheepe, and cattle store:
Berkeshire, Corne of euery graine,
Glocester, Woods, and blessings more.
Suffolke, Pastures, cattel and cloth,
Norfolke, Sheepe, Connies, and Woll:
Rutland, Many pleasures hath,
Northamptonshire, of corne is full.
Huntington, Fish, and foule affords,
Bedford, Corne and champian lands:
Cambridge, Nurse of many Lords,
Warwicke, With wood and pasture stands.
Leicester, Corne doth spread the ground,
Stafford, Alablaster, Iron, and wood:
Worcester, Salt, and fruit abound,
Shropshire, Cottens passing good.

Here-

Hereford, Woll and sheepe doth breede,
Lincolne, Foule and pretious stone:
Nottingham, Store of cattle feede,
Derbey, Leade, woll, and milstone.
Cheshire, Salt and pastures greene,
Yorkeshire, liquerise, leade, and let:
Lancashire, Oxen for the Teeme,
Durham, Copper and coles beget.
Westmerland, Cloathes of Northerne woll,
Cumber, Mines of siluer and gold:
Northumber: Copper and seacoles full,
Monmoth, Stony for Wales is cold.
Glamorgan, a spring that flowes with tyde,
Radnor, Riuers the bankes that fill:
Brecknocke, Salmon, and Troute beside,
Cardigan, Pastures, and meeres at will.
Caermarthen, Cattle, corne, and coales,
Pembrooke, Haukes fish, barley, graine:
Mongomerie Breedeth goates, and foales,
Merionith, Rocks, and mountaines maine,
Denbighe, Leade, and Cannal for fire,
Flint, Hath Rie, and once had mines:
Anglesey, All heart can desire,
Caernaruen, Hilley, and fruit sometimes.

1. Chron. 28. 8.

Let us keepe, and seeke for all the commaundements of the Lord our God, that we may possesse this good land, and leaue it for an inheritance for our children after vs for euer.

FINIS.